

Roberto Rella

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193
papers

4,370
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39
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52
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226
ext. papers

4,741
ext. citations

5.1
avg, IF

4.84
L-index

#	Paper	IF	Citations
193	Acetone and ethanol solid-state gas sensors based on TiO ₂ nanoparticles thin film deposited by matrix assisted pulsed laser evaporation. <i>Sensors and Actuators B: Chemical</i> , 2007 , 127, 426-431	8.5	134
192	Gas Sensitivity Measurements on NO ₂ Sensors Based on Copper(II) Tetrakis(n-butylaminocarbonyl)phthalocyanine LB Films. <i>Langmuir</i> , 1999 , 15, 1748-1753	4	81
191	Optical gas sensing of TiO ₂ and TiO ₂ /Au nanocomposite thin films. <i>Sensors and Actuators B: Chemical</i> , 2008 , 132, 107-115	8.5	78
190	Langmuir-Blodgett Multilayers Based on Copper Phthalocyanine as Gas Sensor Materials: Active Layer Gas Interaction Model and Conductivity Modulation. <i>Langmuir</i> , 1997 , 13, 6562-6567	4	77
189	Properties of vanadium oxide thin films for ethanol sensor. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1997 , 15, 34-38	2.9	72
188	Physical characterization of hafnium oxide thin films and their application as gas sensing devices. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1998 , 16, 3564-3568	2.9	71
187	Conducting polymers doped with metallic inclusions: New materials for gas sensors. <i>Sensors and Actuators B: Chemical</i> , 1998 , 48, 362-367	8.5	70
186	Spin-coated thin films of metal porphyrin-phthalocyanine blend for an optochemical sensor of alcohol vapours. <i>Sensors and Actuators B: Chemical</i> , 2004 , 100, 88-93	8.5	70
185	Optical Absorption of Tellurium Suboxide Thin Films. <i>Physica Status Solidi A</i> , 1993 , 136, K101-K104		70
184	Surface plasmon resonance imaging of DNA based biosensors for potential applications in food analysis. <i>Biosensors and Bioelectronics</i> , 2005 , 21, 894-900	11.8	69
183	Au nanoparticles prepared by physical method on Si and sapphire substrates for biosensor applications. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 17347-9	3.4	68
182	Enhanced gas sensing performance of TiO ₂ functionalized magneto-optical SPR sensors. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16049		67
181	Titanium oxide thin films for NH ₃ monitoring: Structural and physical characterizations. <i>Journal of Applied Physics</i> , 1997 , 82, 54-59	2.5	66
180	Analysis of vapours and foods by means of an electronic nose based on a sol-gel metal oxide sensors array. <i>Sensors and Actuators B: Chemical</i> , 2000 , 69, 230-235	8.5	65
179	CO sensing properties of SnO ₂ thin films prepared by the sol-gel process. <i>Thin Solid Films</i> , 1997 , 304, 339-343	2.2	64
178	Nanoparticle thin films for gas sensors prepared by matrix assisted pulsed laser evaporation. <i>Sensors</i> , 2009 , 9, 2682-96	3.8	63
177	A novel gas sensor based on SnO ₂ /Os thin film for the detection of methane at low temperature. <i>Sensors and Actuators B: Chemical</i> , 1999 , 58, 350-355	8.5	63

176	Preparation and characterization of cobalt porphyrin modified tin dioxide films for sensor applications. <i>Sensors and Actuators B: Chemical</i> , 2004 , 103, 339-343	8.5	60
175	Fe ₃ O ₄ /Fe ₂ O ₃ nanoparticle multilayers deposited by the Langmuir-Blodgett technique for gas sensors application. <i>Langmuir</i> , 2014 , 30, 1190-7	4	59
174	Moisture influence and geometry effect of Au and Pt electrodes on CO sensing response of SnO ₂ microsensors based on sol-gel thin film. <i>Sensors and Actuators B: Chemical</i> , 2001 , 77, 503-511	8.5	59
173	Automotive application of sol-gel TiO ₂ thin film-based sensor for lambda measurement. <i>Sensors and Actuators B: Chemical</i> , 2003 , 95, 66-72	8.5	56
172	Tin oxide-based gas sensors prepared by the sol-gel process. <i>Sensors and Actuators B: Chemical</i> , 1997 , 44, 462-467	8.5	55
171	Optical absorption and photoconductivity in amorphous indium selenide thin films. <i>Thin Solid Films</i> , 1987 , 148, 273-278	2.2	55
170	Enhanced antibody recognition with a magneto-optic surface plasmon resonance (MO-SPR) sensor. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 114-20	11.8	53
169	Optical gas sensing through nanostructured ZnO films with different morphologies. <i>Sensors and Actuators B: Chemical</i> , 2010 , 145, 167-173	8.5	49
168	Chemical Characteristics and Biological Activity of Organic Substances Extracted from Soils by Root Exudates. <i>Soil Science Society of America Journal</i> , 2005 , 69, 2012-2019	2.5	47
167	Optical characterization and analysis of the gas/surface adsorption phenomena on phthalocyanines thin films for gas sensing application. <i>Sensors and Actuators B: Chemical</i> , 2005 , 106, 212-220	8.5	47
166	Surface plasmon resonance optical gas sensing of nanostructured ZnO films. <i>Sensors and Actuators B: Chemical</i> , 2008 , 130, 531-537	8.5	46
165	Optochemical vapour detection using spin coated thin film of ZnTPP. <i>Sensors and Actuators B: Chemical</i> , 2006 , 115, 12-16	8.5	46
164	Electrical and optical characterization of electron beam evaporated In ₂ Se ₃ thin films. <i>Physica Status Solidi A</i> , 1995 , 148, 431-438		46
163	Optochemical vapour detection using spin coated thin films of metal substituted phthalocyanines. <i>Sensors and Actuators B: Chemical</i> , 2003 , 89, 86-91	8.5	44
162	Thin film construction and characterization and gas-sensing performances of a tailored phenylene-thienylene copolymer. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9055-61	16.4	44
161	Air quality monitoring by means of sol-gel integrated tin oxide thin films. <i>Sensors and Actuators B: Chemical</i> , 1999 , 58, 283-288	8.5	44
160	Investigation on alcohol vapours/TiO ₂ nanocrystal thin films interaction by SPR technique for sensing application. <i>Sensors and Actuators B: Chemical</i> , 2004 , 100, 75-80	8.5	43
159	Sprayed SnO ₂ thin films for NO ₂ sensors. <i>Sensors and Actuators B: Chemical</i> , 1999 , 58, 370-374	8.5	42

158	Variation in the Optical Sensing Responses toward Vapors of a Porphyrin/Phthalocyanine Hybrid Thin Film. <i>Chemistry of Materials</i> , 2004 , 16, 2083-2090	9.6	41
157	Metallophthalocyanines thin films in array configuration for electronic optical nose applications. <i>Sensors and Actuators B: Chemical</i> , 2003 , 96, 489-497	8.5	41
156	A comparison between V2O5 and WO3 thin films as sensitive elements for NO detection. <i>Thin Solid Films</i> , 1999 , 350, 264-268	2.2	41
155	Structural and spectroscopic characterization of Cu(II) [tetrakis-(3,3-dimethyl-l-butoxycarbonyl)] phthalocyanine thin films deposited by the Langmuir-Blodgett technique. <i>Thin Solid Films</i> , 1995 , 265, 58-65	2.2	41
154	SnO2 thin films for gas sensor prepared by r.f. reactive sputtering. <i>Sensors and Actuators B: Chemical</i> , 1995 , 25, 465-468	8.5	39
153	Silica Nanowires Decorated with Metal Nanoparticles for Refractive Index Sensors: Three-Dimensional Metal Arrays and Light Trapping at Plasmonic Resonances. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 685-690	3.8	38
152	Solid State Gas Sensors: State of the Art and Future Activities. <i>ChemInform</i> , 2004 , 35, no		38
151	Effects of thermal annealing on optical absorption of amorphous indium selenide thin films. <i>Solar Energy Materials and Solar Cells</i> , 1987 , 15, 209-218		37
150	In2O3 Thin Films Obtained Through a Chemical Complexation Based Sol-Gel Process and Their Application as Gas Sensor Devices. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 741-744	2.3	36
149	Gas sensing measurements and analysis of the optical properties of poly[3-(butylthio)thiophene] Langmuir-Blodgett films. <i>Sensors and Actuators B: Chemical</i> , 2000 , 68, 203-209	8.5	36
148	NO2 gas detection by Langmuir-Blodgett films of copper phthalocyanine multilayer structures. <i>Supramolecular Science</i> , 1997 , 4, 461-464		35
147	Effects of NO2 oxidizing gas on a novel phthalocyanine Langmuir-Blodgett thin film. <i>Thin Solid Films</i> , 1996 , 286, 256-258	2.2	35
146	Magneto-Optical properties of noble-metal nanostructures: functional nanomaterials for bio sensing. <i>Scientific Reports</i> , 2018 , 8, 12640	4.9	34
145	SPR based immunosensor for detection of Legionella pneumophila in water samples. <i>Optics Communications</i> , 2013 , 294, 420-426	2	34
144	A novel multisensing optical approach based on a single phthalocyanine thin films to monitoring volatile organic compounds. <i>Sensors and Actuators B: Chemical</i> , 2006 , 113, 516-525	8.5	34
143	Sol-gel derived pure and palladium activated tin oxide films for gas-sensing applications. <i>Sensors and Actuators B: Chemical</i> , 1999 , 55, 134-139	8.5	33
142	Spontaneous deposition of amphiphilic porphyrin films on glass. <i>New Journal of Chemistry</i> , 2004 , 28, 1123	3.6	32
141	Study of the gas optical sensing properties of Au-polyimide nanocomposite films prepared by ion implantation. <i>Sensors and Actuators B: Chemical</i> , 2005 , 111-112, 225-229	8.5	32

140	Improved gas sensing performances in SPR sensors by transducers activation. <i>Sensors and Actuators B: Chemical</i> , 2013 , 179, 175-186	8.5	31
139	Tests in controlled atmosphere on new optical gas sensing layers based on TiO ₂ /metal-phthalocyanines hybrid system. <i>Materials Science and Engineering C</i> , 2002 , 22, 439-443	8.3	30
138	Enhancement of the optically activated NO ₂ gas sensing response of brookite TiO ₂ nanorods/nanoparticles thin films deposited by matrix-assisted pulsed-laser evaporation. <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 869-879	8.5	29
137	Enhanced magneto-optical SPR platform for amine sensing based on Zn porphyrin dimers. <i>Sensors and Actuators B: Chemical</i> , 2013 , 182, 232-238	8.5	29
136	TiO ₂ nanoparticle thin film deposition by matrix assisted pulsed laser evaporation for sensing applications. <i>Applied Surface Science</i> , 2007 , 253, 7937-7941	6.7	29
135	TiO ₂ nanocrystal films for sensing applications based on surface plasmon resonance. <i>Synthetic Metals</i> , 2005 , 148, 25-29	3.6	29
134	Optical recognition of organic vapours through ultrathin calix[4]pyrrole films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002 , 198-200, 869-873	5.1	29
133	Ethane-Bridged Zn Porphyrins Dimers in Langmuir-Blodgett Thin Films: Spectroscopic, Morphologic, and Magneto-Optical Surface Plasmon Resonance Characterization. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 10734-10742	3.8	28
132	MAPLE deposition of methoxy Ge triphenylcorrole thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 93, 651-654	2.6	28
131	Palladium/Fe ₂ O ₃ nanoparticle mixtures for acetone and NO ₂ gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 895-903	8.5	27
130	Uniform thin films of TiO ₂ nanoparticles deposited by matrix-assisted pulsed laser evaporation. <i>Applied Surface Science</i> , 2007 , 253, 6471-6475	6.7	27
129	Recognition of olive oils by means of an integrated sol-gel SnO ₂ Electronic Nose. <i>Thin Solid Films</i> , 2002 , 418, 59-65	2.2	27
128	Comparison and integration of arrays of quartz resonators and metal-oxide semiconductor chemoresistors in the quality evaluation of olive oils. <i>Sensors and Actuators B: Chemical</i> , 2001 , 78, 303-309	8.5	27
127	A study of physical properties and gas-surface interaction of vanadium oxide thin films. <i>Thin Solid Films</i> , 1999 , 349, 254-259	2.2	27
126	Langmuir-Blodgett films of Cu(II)-tetrakis (3,3-dimethylbutoxycarbonyl) phthalocyanine: a spectrophotometric and TEM analysis of their structure and morphology. <i>Thin Solid Films</i> , 1996 , 280, 249-255	2.2	27
125	Thin films of TiO ₂ nanocrystals with controlled shape and surface coating for surface plasmon resonance alcohol vapour sensing. <i>Sensors and Actuators B: Chemical</i> , 2007 , 126, 562-572	8.5	26
124	UV-Vis absorption optosensing materials based on metallophthalocyanines thin films. <i>Sensors and Actuators B: Chemical</i> , 2004 , 100, 135-138	8.5	25
123	Surface plasmon resonance imaging technique for nucleic acid detection. <i>Sensors and Actuators B: Chemical</i> , 2008 , 130, 82-87	8.5	24

122	Liquid phase SPR imaging experiments for biosensors applications. <i>Biosensors and Bioelectronics</i> , 2004 , 20, 1140-8	11.8	24
121	Characteristics of reactively sputtered PtSnO ₂ thin films for CO gas sensors. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1996 , 14, 2215-2219	2.9	24
120	Preparation and characterization of Langmuir-Blodgett films containing fullerene. <i>Thin Solid Films</i> , 1994 , 243, 367-370	2.2	23
119	Dependence of the surface roughness of MAPLE-deposited films on the solvent parameters. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 101, 759-764	2.6	22
118	Films of brookite TiO ₂ nanorods/nanoparticles deposited by matrix-assisted pulsed laser evaporation as NO ₂ gas-sensing layers. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 104, 963-968	2.6	21
117	MAPLE deposition and characterization of SnO ₂ colloidal nanoparticle thin films. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 095105	3	21
116	Enhanced sensing properties of cobalt bis-porphyrin derivative thin films by a magneto-plasmonic-opto-chemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2017 , 246, 1039-1048	8.5	20
115	Investigation of electronic properties of gallium sulfide single crystals grown by iodine chemical transport. <i>Journal of Applied Physics</i> , 1990 , 68, 138-142	2.5	20
114	Synthesis and characterization of optically transparent epoxy matrix nanocomposites. <i>Materials Science and Engineering C</i> , 2009 , 29, 1798-1802	8.3	19
113	TiO ₂ brookite nanostructured thin layer on magneto-optical surface plasmon resonance transducer for gas sensing applications. <i>Journal of Applied Physics</i> , 2012 , 112, 053524	2.5	19
112	Role of osmium in the electrical transport mechanism of polycrystalline tin oxide thin films. <i>Applied Physics Letters</i> , 2004 , 84, 744-746	3.4	19
111	Optical characterisation of CN thin films deposited by reactive pulsed laser ablation. <i>Thin Solid Films</i> , 1999 , 349, 100-104	2.2	19
110	Properties of reactively sputtered tin oxide films as CO gas sensors. <i>Sensors and Actuators B: Chemical</i> , 1995 , 23, 193-195	8.5	19
109	Functional magneto-plasmonic biosensors transducers: Modelling and nanoscale analysis. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 100-112	8.5	18
108	Photoluminescence quenching processes by NO ₂ adsorption in ZnO nanostructured films. <i>Journal of Applied Physics</i> , 2012 , 111, 073520	2.5	18
107	Oxygen optical gas sensing by reversible fluorescence quenching in photo-oxidized poly(9,9-dioctylfluorene) thin films. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 1559-61	3.4	18
106	On the characterisation and gas sensing properties of Cu(II) tetra(alkylamino carbonyl) phthalocyanine LB films. <i>Thin Solid Films</i> , 1998 , 327-329, 465-468	2.2	18
105	Square and collinear four probe array and Hall measurements on metal oxide thin film gas sensors. <i>Sensors and Actuators B: Chemical</i> , 1998 , 53, 69-75	8.5	18

104	Sorption of amines by the Langmuir-Blodgett films of soluble cobalt phthalocyanines: evidence for the supramolecular mechanisms. <i>Biosensors and Bioelectronics</i> , 2004 , 20, 1177-84	11.8	18
103	Analysis of dry salami by means of an electronic nose and correlation with microbiological methods. <i>Sensors and Actuators B: Chemical</i> , 2003 , 95, 123-131	8.5	18
102	Colloidal Au-enhanced surface plasmon resonance imaging: application in a DNA hybridization process. <i>Journal of Optics (United Kingdom)</i> , 2010 , 12, 035003	1.7	17
101	Optical response of plasma-deposited zinc phthalocyanine films to volatile organic compounds. <i>Sensors and Actuators B: Chemical</i> , 2007 , 127, 150-156	8.5	17
100	Influence of the Deposition Parameters on the Physical Properties of Tin Oxide Thin Films. <i>Materials Science Forum</i> , 1996 , 203, 143-148	0.4	17
99	Preparation and characterization of nanostructured materials for an artificial olfactory sensing system. <i>Sensors and Actuators B: Chemical</i> , 2002 , 84, 55-59	8.5	16
98	Investigation of the electrical properties of Cd-doped indium selenide. <i>Journal of Applied Physics</i> , 1991 , 70, 6847-6853	2.5	16
97	MAPLE deposition of nanomaterials. <i>Applied Surface Science</i> , 2014 , 302, 92-98	6.7	15
96	Study of temperature dependence and angular distribution of poly(9,9-dioctylfluorene) polymer films deposited by matrix-assisted pulsed laser evaporation (MAPLE). <i>Applied Surface Science</i> , 2009 , 255, 9659-9664	6.7	15
95	Physical properties of osmium doped tin oxide thin films. <i>Journal of Applied Physics</i> , 1998 , 83, 2369-2371	2.5	15
94	Conductivity and optical absorption in amorphous gallium sulphide thin films. <i>Thin Solid Films</i> , 1989 , 172, 179-183	2.2	15
93	Applications in gas-sensing devices of a new macrocyclic copper complex. <i>Sensors and Actuators B: Chemical</i> , 1997 , 42, 53-58	8.5	14
92	An ellipsometric study of LB films in a controlled atmosphere. <i>Sensors and Actuators B: Chemical</i> , 1998 , 48, 328-332	8.5	14
91	Determination of optical parameters of colloidal TiO ₂ nanocrystals-based thin films by using surface plasmon resonance measurements for sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2006 , 115, 365-373	8.5	14
90	Characterization of novel copper phthalocyanine Langmuir-Blodgett films for NO ₂ detection. <i>Thin Solid Films</i> , 1996 , 284-285, 870-872	2.2	14
89	Real time oil control by surface plasmon resonance transduction methodology. <i>Sensors and Actuators A: Physical</i> , 2015 , 223, 97-104	3.9	13
88	Structural and optical properties of molybdenum tungsten mixed oxide thin films deposited by the sol-gel technique. <i>Journal of Applied Physics</i> , 2003 , 93, 3816-3822	2.5	13
87	Au nanoparticles decoration of silica nanowires for improved optical bio-sensing. <i>Sensors and Actuators B: Chemical</i> , 2016 , 226, 589-597	8.5	12

86	Poly[3-(butylthio)thiophene] LangmuirBlodgett films as selective solid state chemiresistors for nitrogen dioxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002 , 198-200, 829-833	5.1	12
85	Hall effect measurements in gas sensors based on nanosized Os-doped sol-gel derived SnO ₂ thin films. <i>IEEE Sensors Journal</i> , 2003 , 3, 827-834	4	12
84	LangmuirBlodgett films of poly[3-(butylthio)thiophene]: optical properties and electrical measurements in controlled atmosphere. <i>Sensors and Actuators B: Chemical</i> , 1999 , 57, 125-129	8.5	12
83	A SnO ₂ microsensor device for sub-ppm NO ₂ detection. <i>Sensors and Actuators B: Chemical</i> , 1999 , 58, 552-555	8.5	12
82	Electrical properties of vacuum-deposited polycrystalline InSe thin films. <i>Solar Energy Materials and Solar Cells</i> , 1991 , 22, 215-222		12
81	Electrical Characterization of In ₂ Se ₃ Single Crystals. <i>Physica Status Solidi A</i> , 1991 , 126, 437-442		12
80	Gold nanoholes fabricated by colloidal lithography: novel insights into nanofabrication, short-range correlation and optical properties. <i>Nanoscale</i> , 2019 , 11, 8416-8432	7.7	11
79	Oxide nanoparticle arrays for sensors of CO and NO ₂ gases. <i>Vacuum</i> , 2012 , 86, 590-593	3.7	11
78	Electrical and optical properties of ITO and ITO/Cr-doped ITO films. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 101, 753-758	2.6	11
77	Surface plasmon resonance study on the optical sensing properties of nanometric polyimide films to volatile organic vapours. <i>Sensors and Actuators B: Chemical</i> , 2007 , 120, 712-718	8.5	11
76	. <i>Journal of Sol-Gel Science and Technology</i> , 2001 , 21, 195-201	2.3	11
75	Physical characterization of In ₂ Se ₃ thin films prepared by electron beam evaporation. <i>Vacuum</i> , 1995 , 46, 997-1000	3.7	11
74	Mixing enhancement induced by viscoelastic micromotors in microfluidic platforms. <i>Chemical Engineering Journal</i> , 2020 , 391, 123572	14.7	11
73	Matrix-assisted pulsed laser deposition of polymer and nanoparticle films. <i>Vacuum</i> , 2012 , 86, 661-666	3.7	10
72	Sensitive coating for water vapors detection based on thermally sputtered calcein thin films. <i>Talanta</i> , 2010 , 82, 1392-6	6.2	10
71	NO ₂ sensitivity of gadolinium bis-phthalocyanine assemblies prepared by ultra-fast LB deposition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002 , 198-200, 791-796	5.1	10
70	Deposition and application in gas sensors of thin films of a bridged chain dialkoxy PPV derivative. <i>Materials Science and Engineering C</i> , 2002 , 22, 445-448	8.3	10
69	Investigation of deep levels in Zn-doped InSe single crystals. <i>Journal of Applied Physics</i> , 1992 , 71, 2274-2279		10

68	Growth and characterization of tin oxide thin films prepared by reactive sputtering. <i>Solar Energy Materials and Solar Cells</i> , 1993 , 31, 235-242	6.4	10
67	Interaction-tailored organization of large-area colloidal assemblies. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 1582-1593	3	10
66	Langmuir-Blodgett films of a phthalocyanine symmetrically functionalized with eight ester units. <i>Materials Science and Engineering C</i> , 1998 , 5, 317-320	8.3	9
65	Synthesis of tailored phthalocyanines and their application as spin coated films in volatile organic compound detection. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003 , 07, 572-578	1.8	9
64	Volatile Organic Compounds sensing properties of TbPc2 thin films: Towards a plasmon-enhanced opto-chemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 266-274	8.5	8
63	Structural characterization of ultrathin Cr-doped ITO layers deposited by double-target pulsed laser ablation. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 365403	3	8
62	New complexes based on tridentate bispyrazole ligand for optical gas sensing. <i>Materials Chemistry and Physics</i> , 2011 , 126, 375-380	4.4	8
61	Gas-sensing properties of multilayers of two new macrocyclic copper complexes. <i>Sensors and Actuators B: Chemical</i> , 1997 , 44, 585-589	8.5	8
60	Structural study of meso-octaethylcalix[4]pyrrole LangmuirBlodgett films used as gas sensors. <i>Materials Science and Engineering C</i> , 2002 , 19, 27-31	8.3	8
59	Compositional and optical characterization of rf sputter deposited TeOx thin films for optical disk application. <i>Vacuum</i> , 1992 , 43, 305-308	3.7	8
58	Decoration of silica nanowires with gold nanoparticles through ultra-short pulsed laser deposition. <i>Applied Surface Science</i> , 2017 , 418, 430-436	6.7	7
57	Optical absorption and structural characterization of reactively sputtered tellurium suboxide thin films. <i>Applied Surface Science</i> , 1993 , 65-66, 313-318	6.7	7
56	Nitric Dioxide and Acetone Sensors Based on Iron Oxide Nanoparticles. <i>Sensor Letters</i> , 2013 , 11, 2322-2326	2.6	7
55	Nanoplasmonic Biosensing Approach for Endotoxin Detection in Pharmaceutical Field. <i>Chemosensors</i> , 2021 , 9, 10	4	7
54	Electrical properties of indium selenide single crystals doped with tin. <i>Solar Energy Materials and Solar Cells</i> , 1992 , 26, 159-167	6.4	6
53	Reactively sputtered TeOx thin films for optical recording systems. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1988 , 6, 243-245	2.9	6
52	Protocol of thermal aging against the swelling of poly(dimethylsiloxane) and physical insight in swelling regimes. <i>Polymer</i> , 2018 , 139, 145-154	3.9	5
51	[18F]F-DOPA synthesis by poly(dimethylsiloxane)-based platforms: thermal aging protocol to reduce chemicals-induced damage. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 143-152	8.5	5

50	A SERS study of self-assembled (4-methylmercapto)benzaldehyde thin films. <i>Materials Science and Engineering C</i> , 2002 , 22, 183-186	8.3	5
49	Hall effect and deep level transient spectroscopy measurements in indium selenide doped with chlorine. <i>Solar Energy Materials and Solar Cells</i> , 1992 , 28, 223-232	6.4	5
48	Thin layer porphyrinogen for alcohol-vapor optical sensors. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009 , 13, 1140-1147	1.8	4
47	Listeria monocytogenes detection with surface plasmon resonance and protein arrays 2008 ,		4
46	Heterogeneous optochemical VOC sensing layers selected by ESI-mass spectrometry. <i>Biosensors and Bioelectronics</i> , 2006 , 22, 415-22	11.8	4
45	Optical properties of Langmuir-Blodgett films of the mixture C60βrachidic acid. <i>Physica Status Solidi A</i> , 1994 , 143, K129-K133		4
44	Influence of thermal annealing on the optical absorption and dark conductivity of amorphous gallium sulfide thin films. <i>Journal of Applied Physics</i> , 1989 , 66, 2114-2117	2.5	4
43	AC electrical conductivity in amorphous indium selenide thin films. <i>Physica Status Solidi A</i> , 1987 , 100, K35-K39		4
42	Magnetophotonics for sensing and magnetometry toward industrial applications. <i>Journal of Applied Physics</i> , 2021 , 130, 230901	2.5	4
41	Practical strategy to realistically measure the swelling ratio of poly(dimethylsiloxane) without underestimation due to the solvent volatility. <i>Polymer</i> , 2017 , 113, 187-192	3.9	3
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